## 19-0114-01

## **Emission Summary**

		Permit	Number: 970452P
Source Status: New Modificat	tion Expansion Reloca	tion Permit Status:	New Renewal
PSD□ NSPS⊠ NESHAPs⊠	<b>Previous Permit Number:</b>	Construction	Operating

	Pounds/Hour			Tons/Year		Date of	*	Applicable Standard			
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change	Data		1200-3-	
TSP	0.10	0.67	0.67	0.00	0.17	0.17		6/17/15		40 CFR 60.4205(a)	
$SO_2$		Neg.			Neg.			6/17/15		1403(5)	
CO	0.60	14.15	14.15	0.03	3.54	3.54		6/17/15		40 CFR 60.4205(a)	
НС	0.10	1.61	1.61	0.00	0.40	0.40		6/17/15		40 CFR 60.4205(a)	
$NO_X$	6.91	11.42	11.42	0.35	2.85	2.85		6/17/15		40 CFR 60.4205(a)	

Source of data is the application dated June 17, 2015.

The  $SO_2$  emissions were calculated using 15ppm sulfur content of the fuel (NSPS requirement), assuming all available sulfur is converted to  $SO_2$ , and shown to be negligible.

It is assumed that Hydrocarbons will be converted to VOCs.

The ton per year emissions were calculated at 500 hours of operation per year based on the guidance found in the Seitz memo regarding the PTE determination for emergency engines. Allowable emissions for fee purposes are equal to the potential emissions.

The allowable emission limits from 40 CFR part 60 subpart IIII are in units of grams/kilowatt-hour. Each standard was reduced to lb/hr using the engine power output, in kilowatts, and a conversion factor of 453.592 grams per pound.

PERMITTING PROGRAM: <u>CAM</u> DATE: <u>August 26, 2015</u>

## CONSTRUCTION PERMIT SUMMARY REPORT

Company Name:	TN Dept. of General Services Center Labor Workforce Dev		File Number:	19-0114	EPS Initials:	CAM
Permit Number(s):	970452P		Source Point Nu	mber(s): 01		
Application Receive	d (date): June 19, 2015		Application Con	nplete (date):	June 19, 2015	
Air Quality Analysis	Performed? Yes No					
	project: (new source, modified what sources) (background is		e process is) (ty	pe controls pr	roposed) (emission	as expected,
is subject to NSPS, and Additionally, the engili. This is an area emissions from this	w internal combustion diesel-fin Subpart IIII, Standards of Pergine will meet the engine MAC source of hazardous air polluta source are products of combus d in an area that is attainment f	formance for Sta CT (40 CFR 63 S ants, and is not a stion of fuel oil.	ntionary Compre ubpart ZZZZ) b major source for	ession Ignition by meeting the larger New Source	Internal Combusti NSPS requirement Review (PSD). T	on Engines. s in subpart he expected
displacement of less	is pre-2007 (2006 model yethan 30 liters per cylinder, with 40 CFR §40.4205, Table 1.		•			
		Rules Ana	lysis			
Title V Cond.	Major⊡ Minor⊠ Sc	ource category li	isted in 1200-3	-901(4)(b)1.	(i)? Yes 1	No
Reason for PSD: Applicable NSPS: Applicable NESH Applicable NESH	AP: 40 CFR Part 61, Su	bpart 4I 🔀	State Rule State Rule	e in emi 1200-3-16 1200-3-11 1200-3-31		N/A 🔀 N/A 🔀 N/A 🔀 N/A 🔀
	Oth	er Applicable	State Rules			
TSP Emissions: SO <sub>2</sub> Emissions: CO Emissions: VOC Emissions:	1200-3-     06      .02(2)        1200-3-     14      03(5)        1200-3-     07      07(2)        1200-3-     07      07(2)	N/A	O <sub>x</sub> Emissions: ead Emissions: Emissions Emissions	1200-3- s: 1200-3-	07 07(2) [ [ [	<ul><li>N/A </li><li>N/A </li><li>N/A </li><li>N/A </li><li>N/A </li><li>N/A </li></ul>
Visible Emissions Visible Emissions Visible Emissions	from not	to exceed	% opacity pe	er Method	(Rule 1200-3- (Rule 1200-3- (Rule 1200-3-	
Comments:						